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ABSTRACT OF THE DISCLOSURE

15 A DNA chip (or PNA chip) composed of a solid carrier
and plural DNA fragments (or PNA fragments) fixed onto
the solid carrier at each one end, wherein a plurality of
short chain spacer molecules having a hydrophilic moiety
at each one end are fixed at each another end onto a sur-
face of the solid carrier having no DNA fragments (or no
PNA fragments) on its surface is effective for high sen-
20 sitive quantitative analysis of a nucleic acid fragment
complementary to the DNA fragment (or PNA fragment).